

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/025370

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | WOO J G ET AL: "The -159 C->T polymorphism of CD14 is associated with nonatopic asthma and food allergy" JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY 01 AUG 2003 UNITED STATES, vol. 112, no. 2, 1 August 2003 (2003-08-01), pages 438-444, XP002310373 ISSN: 0091-6749 | 3-12,21 |
| Y | abstract & DATABASE EMBASE 'Online! ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 1 August 2003 (2003-08-01), WOO J G ET AL: "The -159 C->T polymorphism of CD14 is associated with nonatopic asthma and food allergy" Database accession no. EMB-2003329998 abstract ----- -/-- | 2,13-20 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

15 December 2004

Date of mailing of the international search report

07/01/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | ASSA'AD AMAL H ET AL: "Analysis of the R130Q IL-13 polymorphism in patients with food allergy" PEDIATRIC RESEARCH, vol. 49, no. 4 Part 2, April 2001 (2001-04), page 11A, XP008040169 & ANNUAL MEETING OF THE PEDIATRIC ACADEMIC SOCIETIES; BALTIMORE, MARYLAND, USA; APRIL 28-MAY 01, 2001 ISSN: 0031-3998 | 3,8 |
| Y | abstract | 2,13-20 |
| X | LIU X ET AL: "Associations between total serum IgE levels and the 6 potentially functional variants within the genes IL4, IL13, and IL4rA in German children: The German Multicenter Atopy Study" JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY 01 AUG 2003 UNITED STATES, vol. 112, no. 2, 1 August 2003 (2003-08-01), pages 382-388, XP002310374 ISSN: 0091-6749 pages 384-385 | 19 |
| X | RISMA KIMBERLY A ET AL: "V75R576 IL-4 receptor alpha is associated with allergic asthma and enhanced IL-4 receptor function." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 1 AUG 2002, vol. 169, no. 3, 1 August 2002 (2002-08-01), pages 1604-1610, XP002310372 ISSN: 0022-1767 cited in the application page 1605 | 1,8 |
| X | WOO J G ET AL: "-159 C to T polymorphism of CD14 is associated with non-atopic asthma and food allergy." JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY, vol. 111, no. 2 Abstract Supplement, February 2003 (2003-02), page S127, XP008040172 & AAAAI 60TH ANNIVERSARY MEETING; DENVER, CO, USA; MARCH 07-12, 2003 ISSN: 0091-6749 | 3-12,21 |
| Y | | 2,13-20 |

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | "ILE50VAL VARIANT OF IL4RALPHA UPREGULATES IGE SYNTHESIS AND ASSOCIATES WITH ATOPIC ASTHMA" NATURE GENETICS, NEW YORK, NY, US, vol. 19, 1998, pages 119-120, XP000918629 ISSN: 1061-4036 page 119, middle column ----- | 8, 12 |
| A | WO 00/34789 A (CHILDRENS HOSP MEDICAL CENTER) 15 June 2000 (2000-06-15) page 7; examples 6,7; table 1 ----- | 1-21 |

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No
PCT/US2004/025370

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|---|---|---------------------|----|----------------------------|--|---------------------|
| WO 0034789 | A | 15-06-2000 | AU | 2588600 A | | 26-06-2000 |
| | | | CA | 2354673 A1 | | 15-06-2000 |
| | | | EP | 1137947 A2 | | 04-10-2001 |
| | | | JP | 2002532073 T | | 02-10-2002 |
| | | | WO | 0034789 A2 | | 15-06-2000 |
| | | | US | 6379890 B1 | | 30-04-2002 |
| <hr/> | | | | | | |

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